

FMS12S

DC~18GHz, SP11T~SP12T

Features:

- * Low VSWR
- * Low Insertion Loss
- * High Isolation

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency: DC~18GHz
Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Power (W)
DC-6	0.3	70	1.3	80
6-12	0.5	60	1.6	60
12-18	0.7	50	1.7	50

Voltage*1 (V)		12	24	28
Current (mA)	Normally Open	300	150	140

[1] The voltage can be selected according to user requirements.

TTL	Low Level 0~0.3V	High Level 3~5V	1.4mA
Indicators*2	Voltage (V max.)	Current Capacity (mA max.)	Impedance (Ω)
	50	100	15

[2] Connect the control terminal VDC & GND before running this function.

Mechanical

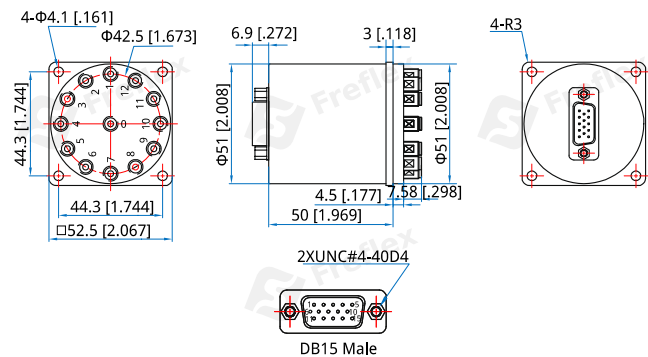
Size*3:	52.5*52.5*50mm 2.067*2.067*1.969in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2sine, 11mS
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	D-Sub 15
Mounting:	4-Φ4.1mm through-hole

[3] Exclude connectors.

Environmental

Operating Temperature:	-25~+65°C
Extended Temperature:	-45~+85°C
Non-operating Temperature:	-55~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.00in]

Additional Options

TTL: T

Indicators: I

Extended Temperature: Z

Positive Common

How To Order

FMS12S-F-WXYZ

F: Frequency in GHz

W: Actuator Type. Normally Open: 3

X: Voltage. +12V: E, +24V: K, +28V: M.

Y: Power Interface., D-Sub: 1.

Z: Additional Options.

Examples:

To order a SPDT switch, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify FMS12SS-18-3E1TI.

Customization is available upon request.

Pin Numbering**Normally Open**

Pin	Function	Pin	Function
1~12	V1~V12	14~15	NC
13	COM		

Normally Open & TTL

Pin	Function	Pin	Function
1~12	TTL	14	COM
13	VDC	15	NC